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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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C-O-N-F-I-D-E-N-T-I-A-L

25X1

COUNTRY	China	REPORT	
SUBJECT	Chinese Communist Experts	DATE DISTR.	13 May 1957
		NO. PAGES	1
		REQUIREMENT NO.	RD
DATE OF INFO.		REFERENCES	25X1
PLACE & DATE ACQ			25X1

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE

leaflets on exports from Communist China

- a. Chinese Bristles, an illustrated folder in English distributed by the China National Animal By-Products Export Corporation, 4 Wangchia Hutung, East City, Peiping.
- b. Five illustrated leaflets in Chinese issued by the Machine Industry Control Bureau of the Department of Industry of the Northeast People's Government, each describing one of the following machines:
 1. Multivane air blower, Model 402
 2. Steam hammer, Model 251 $\frac{1}{2}$
 3. "Lung Men" planing machine, Model 311
 4. Rock drill, Model 421-SB
 5. Milling machine, Model 341.

2 AUG 1957

Attachments are not classified when separated from this report.

25X1

ENCLOSURE ATTACHED
PLEASE ROUTE

25X1

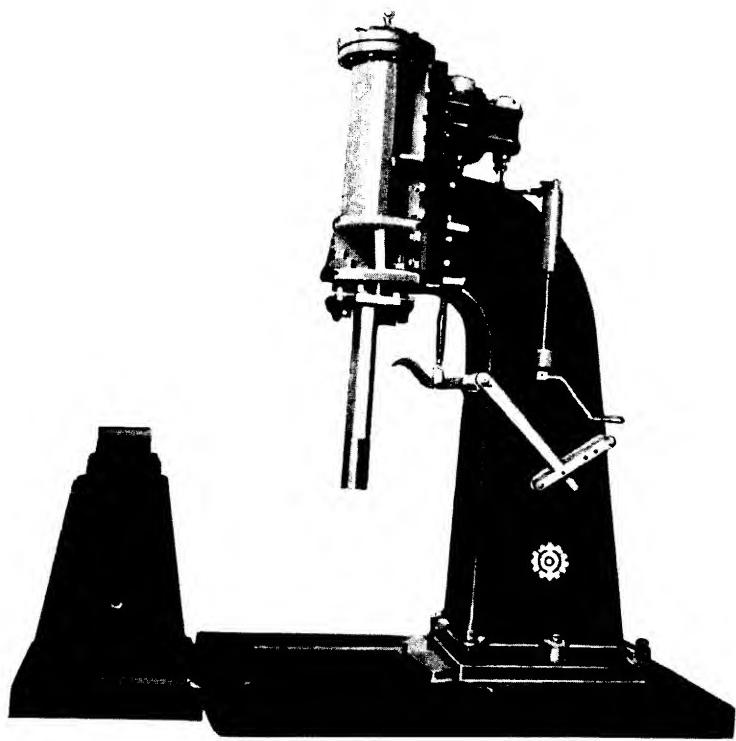
C-O-N-F-I-D-E-N-T-I-A-L

25X1

STATE	X ARMY	X NAVY	X AIR	X FBI	AEC				
CINCPAC #									

(Note: Washington distribution indicated by "X"; Field distribution by "#".)

INFORMATION REPORT INFORMATION REPORT

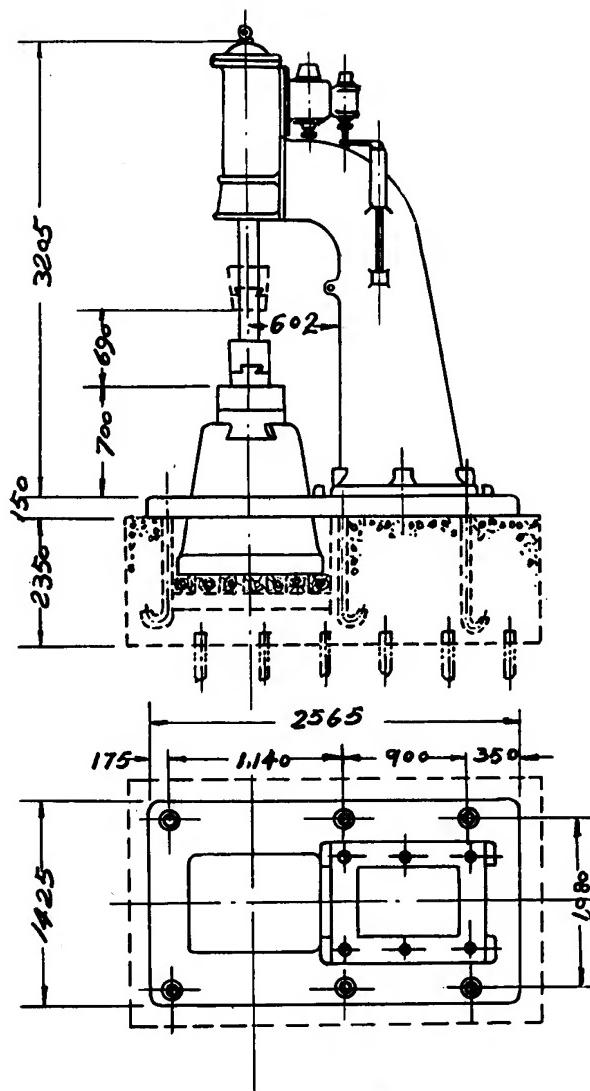


特 点

此型蒸汽锤，係單柱式，構造簡單，操作方便。且為雙衝擊行程，錘之衝擊力，除錘頭本身重量外，再加蒸汽壓力故衝擊力很大。

東北人民政府機械工業管理局
工 業 部

型 号
251½

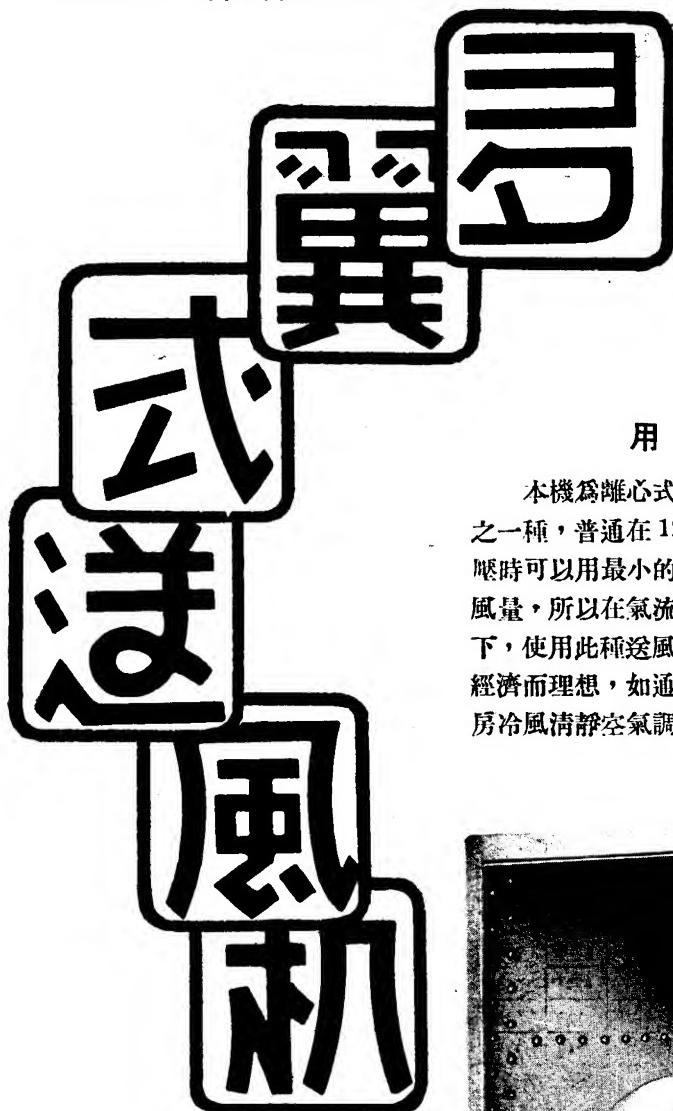


按裝地基圖

主 要 規 格

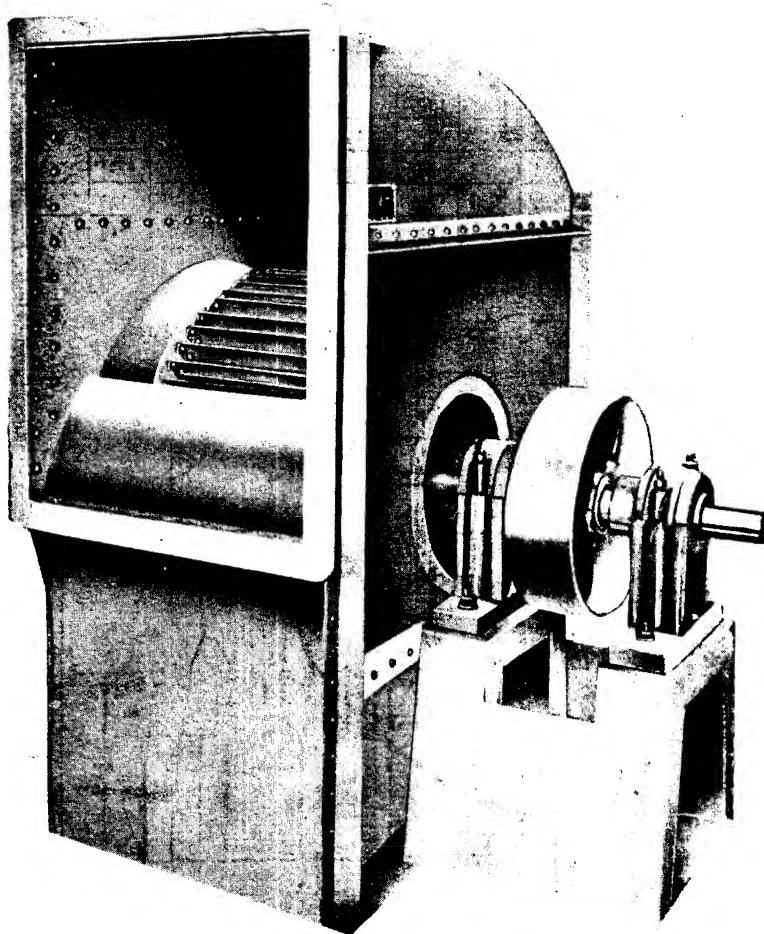
1. 落下重量:	400 公斤
2. 活塞最大行程:	690 公厘
3. 汽缸直徑:	305 公厘
4. 鍾桿直徑:	150 公厘
5. 進氣管直徑:	760 公厘
6. 排氣管直徑:	890 公厘
7. 砧面尺寸:	250×440 公厘
8. 鍾面尺寸:	250×180 公厘
9. 鍾中心線至柱架最大距離:	602 公厘
10. 砧面至地面高度:	700 公厘
11. 鍾身按裝高度:	3,205 公厘
12. 鍾座佔地尺寸:	2,565×1,425 公厘
13. 鍾重:	8,000 公斤
14. 砧重:	6,000 公斤
15. 總重:	14,000 公斤

型號
402



用 途

本機為離心式送風機中能力最高之一種，普通在 125 粪水柱以內之風壓時可以用最小的動力，得到最大的風量，所以在氣流阻力不甚大的情況下，使用此種送風機排氣或送風最為經濟而理想，如通風換氣暖房溫風冷房冷風清靜空氣調劑空氣最為適宜。



特 點

本機主要構造，全部使用鐵板以角鐵鉚釘鉚合，或以電焊焊接，軸承部份及軸架均用螺釘與機體緊密連接，故機體輕而堅固又耐久，軸承部份更裝以復列式向心滾珠軸承，使其轉動時輕快靈活，不但減少磨損而且又節省動力，在運轉中更無燥雜之音響。

東北人民政府工業部機械工業局

型號 402

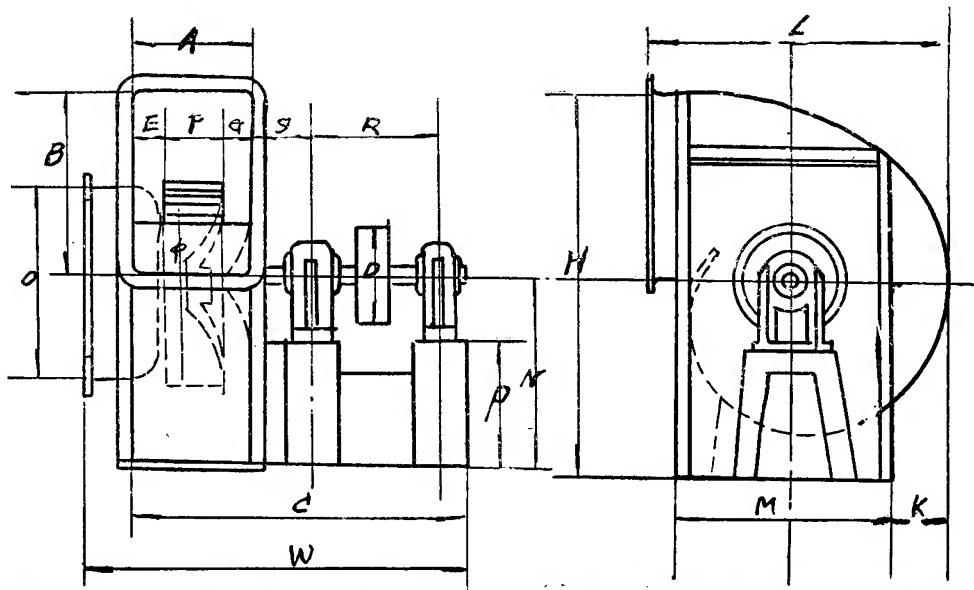
規 格 表

馬力 KW	風量(公分)	靜水柱(公厘)	主軸迴轉 轉/分	傳動方式	翼 數	風口位置
74.6	2100	105	375	V型皮帶	60復式	向上
37.3	1110	100	482	皮 帶	60復式	向上
22.3	750	78	570	"	48	向上
14.9	444	105	770	"	60	上向 前
7.4	200	100	1000	V型皮帶	60	下向 前
3.7	130	70	1425	"	64	上向 前
2.2	90	25	1320	"	64	向 前

尺 寸 表

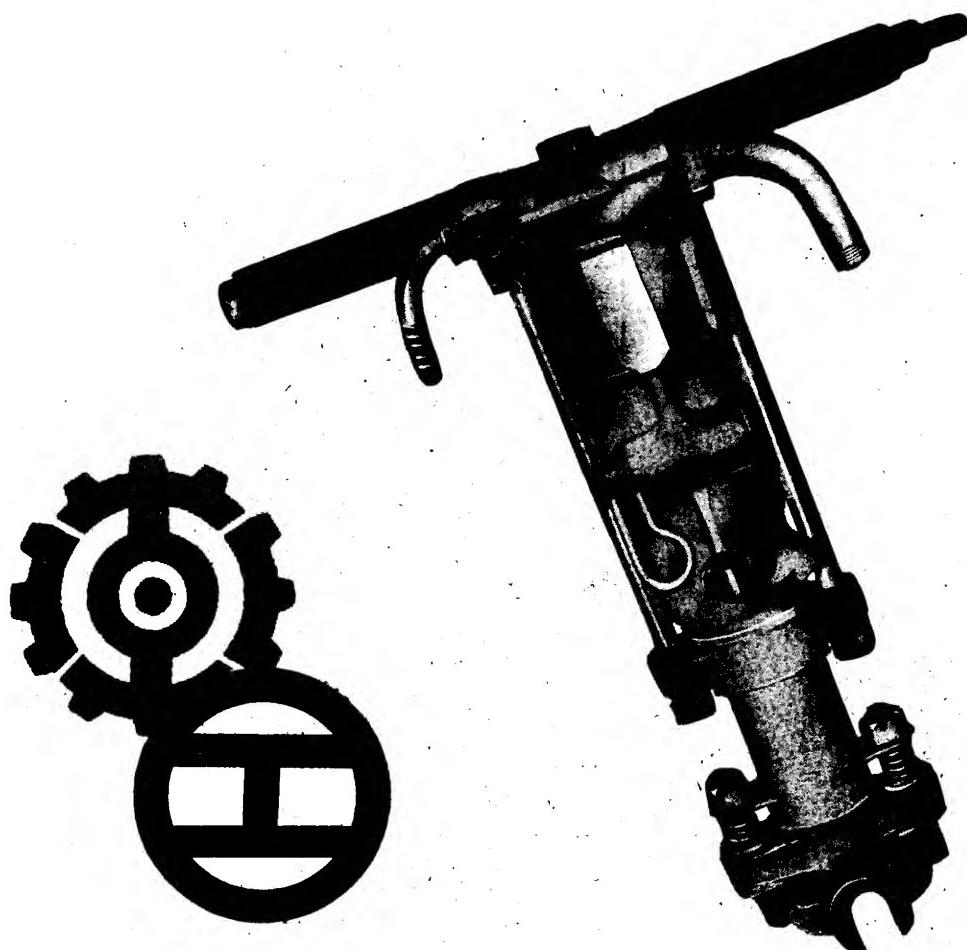
KW	A	B	H	L	M	K	N	P	C	W	O	D	X	E	F	G	Φ	S	R	自重 (公斤)
74.6	1320	1764	2810	3075	2490	145	1600	700	2260	2360	1820	752	344	348	340	132	1630	148	700	
37.3	900	1245	2030	2126	1656	157	1130	585	1557	1855	1300	462	180	218	600	50	1020	113	490	
22.3	730	920	1530	1760	1560		780	630	1336	1416	1000	470	150	214	480	58	940	85	450	
14.9	564	760	1420	1175	990	140	615	400	1026	1210	754	384	115	114	380	70	740	71	325 450	
7.4	410	600	1194	968	928		730	440	879	887	514	240	88	64	303	40	500	75	300 355	
3.7	370	430	750	787	690	97	430			820	460									
2.2	304	388	650	608	400	163	456	234	384	440	388	111				57	190	37	390	

尺 寸 圖



鑄金岩機

型號
421-SB



本機精密度

名稱	間隙		緊度	
	最大	最小	最大	最小
汽缸與活塞	0.105	0.025		
汽缸與前面墊圈			0.045	0.010
活塞與前面墊圈	0.060	0.009		
前面頭與轉動格條筒套	0.100	0.032		

東北人民政府工業部機械工業局

**型號
421-SB**

本機主要之規格

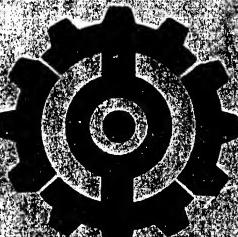
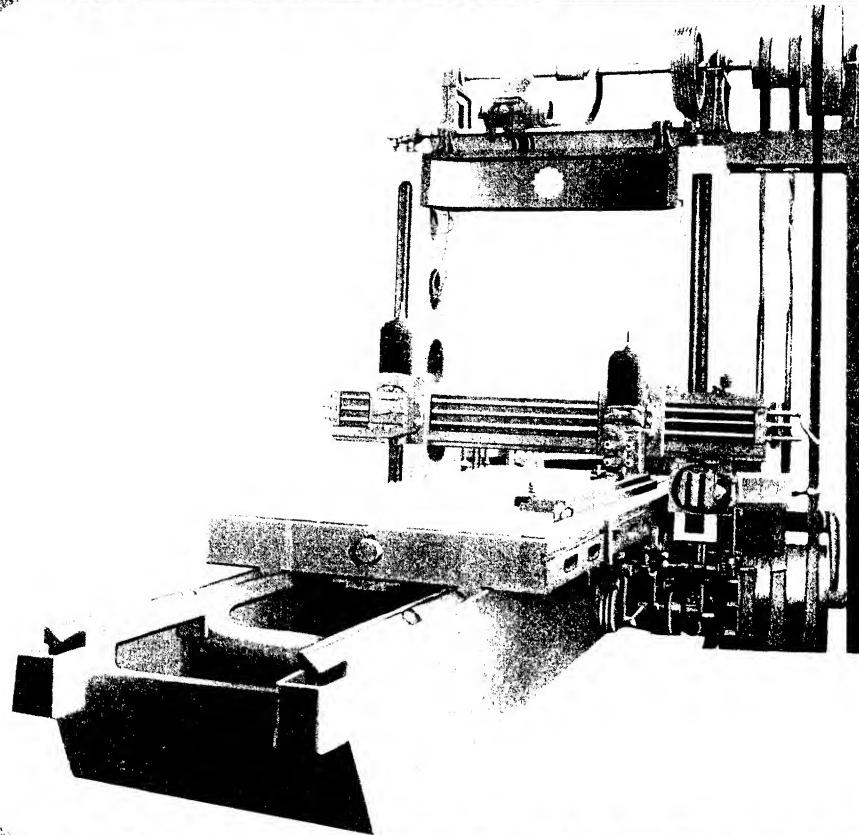
形 式	S-49乾濕式
重 量	27.2公斤
活 塞 重	1.8公斤
風 管	1/4吋
空 氣 管 徑	3/4吋
空 氣 消 耗 量	2.5—3.5公尺 ³ /分
打 擊 數	1.800次/分
使 用 鍚 子	7/8吋(六角)

本機使用上之注意

1. 風管水管在使用前必須洗滌清潔。
2. 每使用48小時後，必須清掃一次內部塵埃。
3. 潤滑油應用清潔規格品，保持適當貯油量。
4. 本機適合于豎坑支柱挖眼脚下打小塊開水平坑道，及開幫。
5. 本機不宜在傾斜30度以上的向上採礦。

門銘床

型号
311

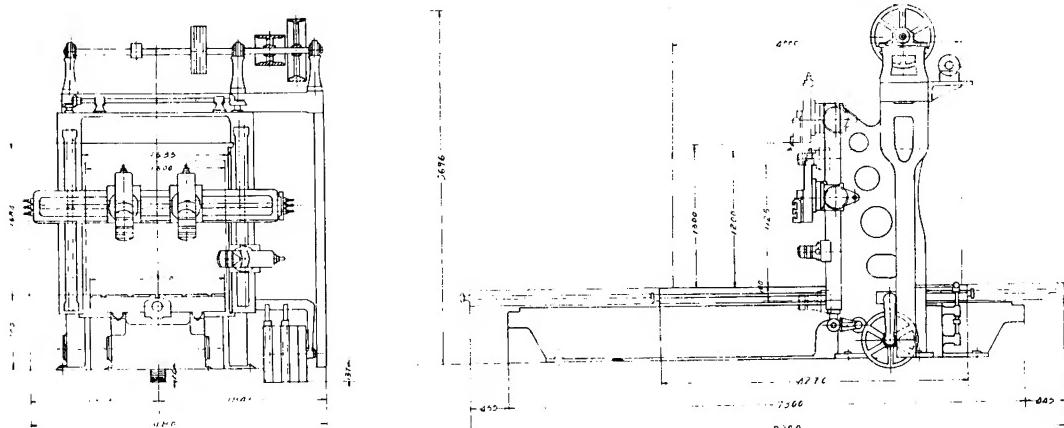
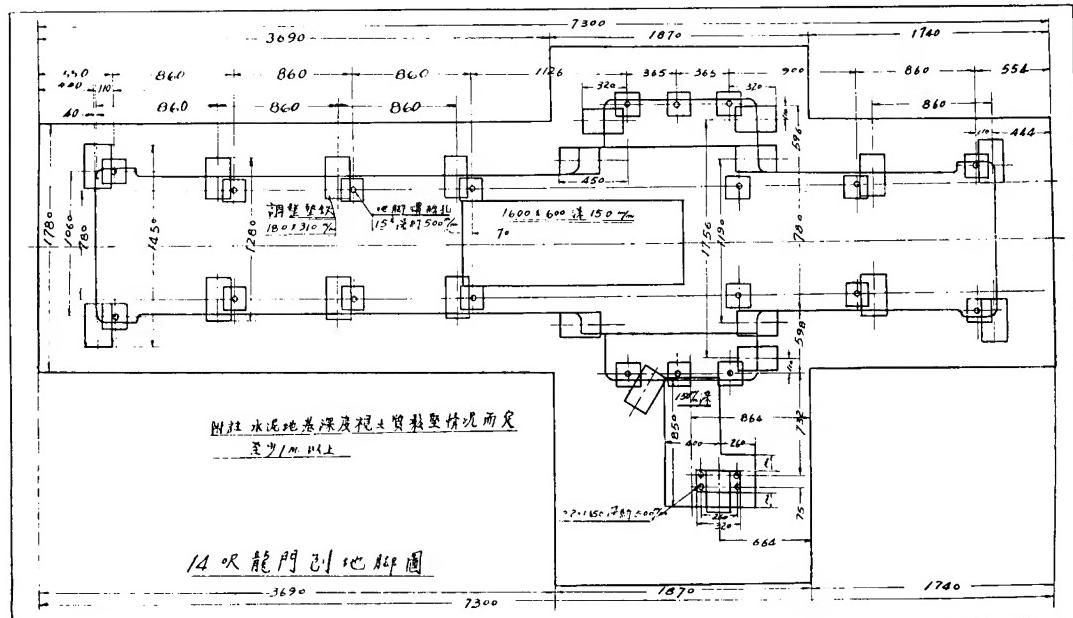


東北人民政府機械工業管理局
五業部

型号 311

主要規格

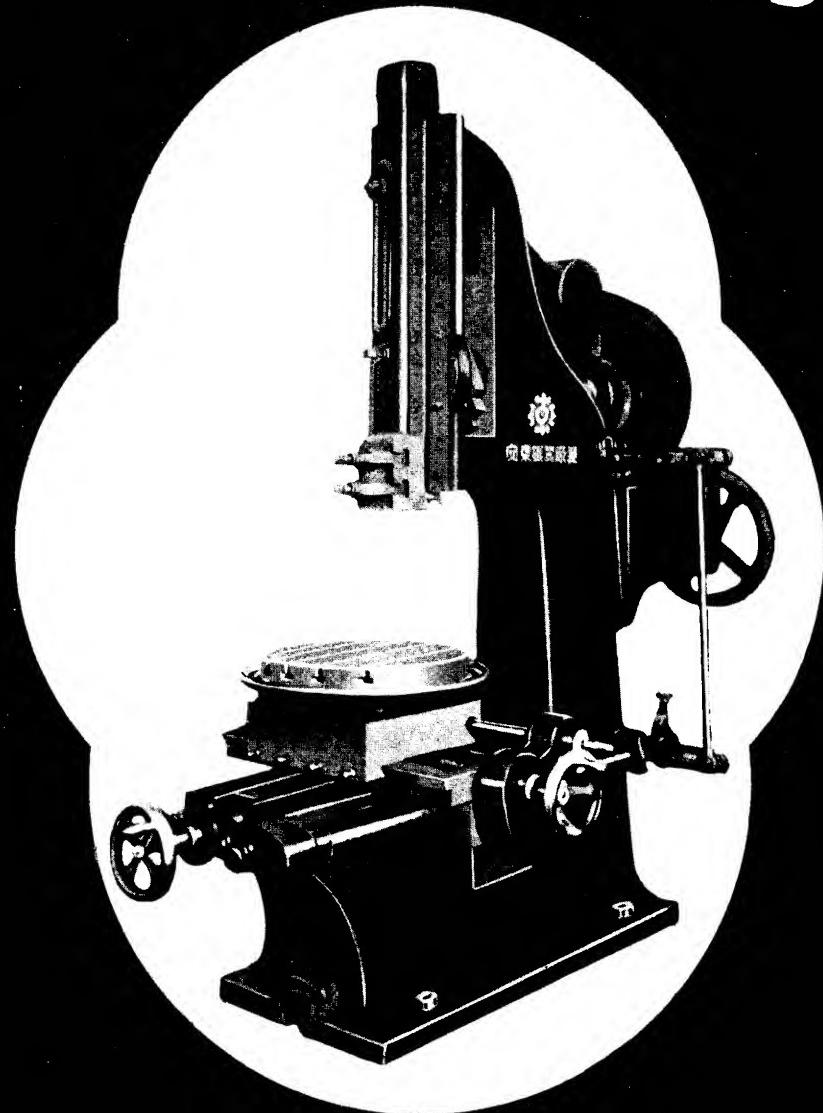
1. 工作台面至正刀架距離：	0 1,300 公厘	10. 最大鉆程：	4,200 公厘
2. 側刀架軸中心線末端地位：	1,125 公厘	11. 工作台前進速度：	10 米 分
在工作台上	100 公厘	12. 工作台後退速度：	18 米 分
在工作台下	1,635 公厘	13. 正刀架每鉆程進刀範圍(垂直方向)	6 0.3 公厘
3. 柱架內側面間之距離：	4,000 公厘	14. 正刀架每鉆程進刀範圍(橫斷方向)	6 -0.3 公厘
4. 可於最大工作物長度：	1,600 公厘	15. 側面刀架垂直進刀範圍：	3 0.3 公厘
5. 可於最大工作物寬度：	1,200 公厘	16. 皮帶寬度：	64 公厘
6. 可於最大工作物高度：	10,000 公斤	17. 電動機：	15 HP 1,450 轉 分
7. 可鉆最大工作物重量：	4,270×1,350 公厘	18. 體積：	7.300×3.180×3.696 公厘
8. 工作台面：	200 公厘	19. 重量：	22,000 公斤
9. 最小鉆程：			



平面地基圖

全齒輪插床

型号
341

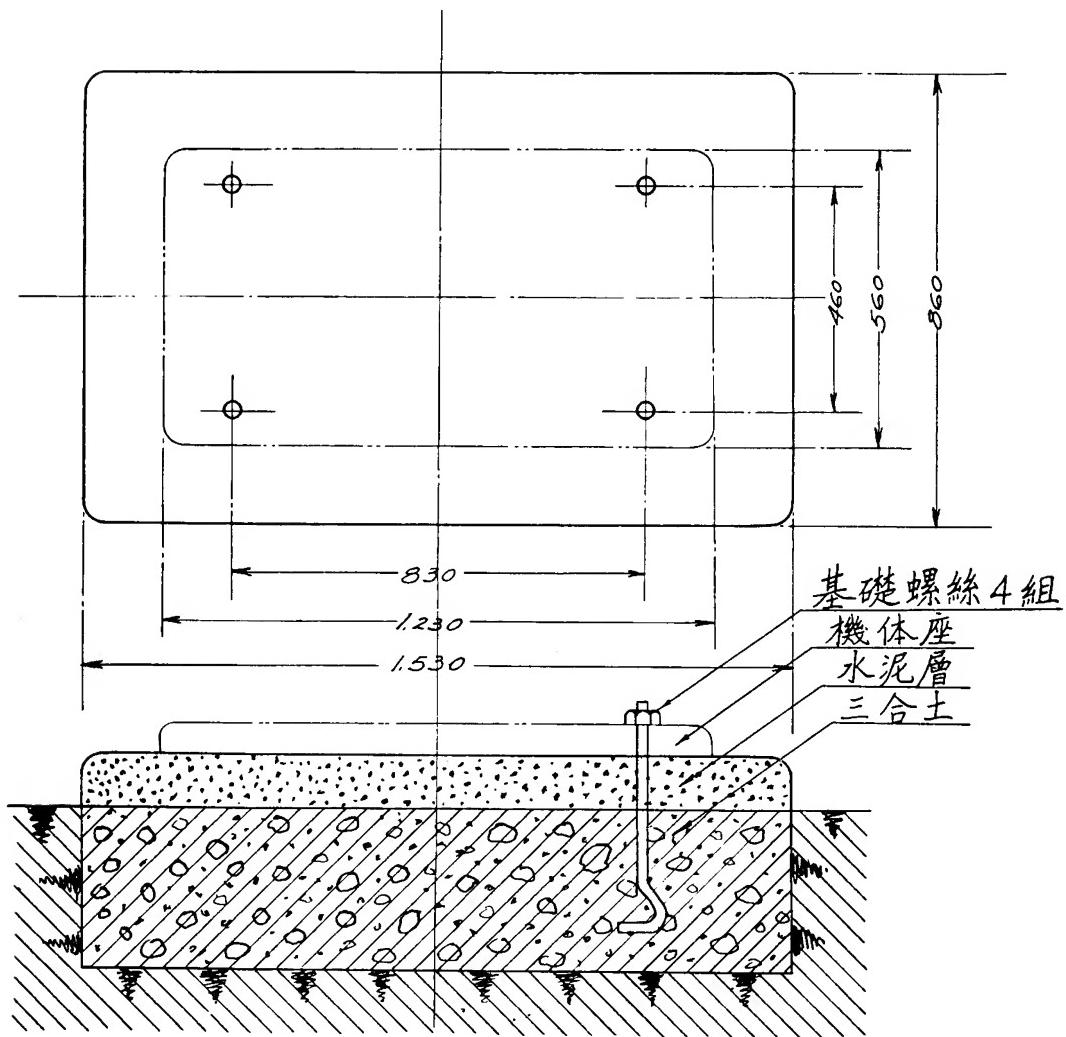


東北人民政府工業部
機械工業管理局

型 号 341

主 要 规 格

1. 插頭行程:	254 公厘
2. 插頭至工作台最大距離:	60—670 公厘
3. 工作台直徑:	510 公厘
4. 工作台左右移動最大距離:	350 公厘
5. 工作台前後移動最大距離:	450 公厘
6. 插頭每往復一次工作台迴轉範圍:	$1^{\circ} - \frac{2}{3}^{\circ}$
7. 插頭每往復一次工作台左右移動範圍:	0.6—3.2 公厘
8. 插頭每往復一次工作台前後移動範圍:	0.18—0.36 公厘
9. 插頭變速範圍:	6 種
10. 馬 力:	2 馬力
11. 重 量:	1,710 公斤
12. 體 積:	1500 × 1000 × 2000 公厘



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中國豬鬃
CHINESE BRISTLES



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~~LIST OF VARIETIES OF BRISTLES FOR EXPORT~~

Shanghai No. 17 assortment (black and white)

Composed of one hundred cases of the following sizes and respective percentage of tops:—

Size:	2"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"
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Case:	25	15	12	11	10	8	6	4	3
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Tops: 1. All sizes 40%. 2. All sizes 90% (with exception 2" 70%).

Size:	4 1/4"	4 1/2"	4 3/4"	5"	5 1/4"	5 1/2"	5 3/4"	6"
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Case:	2	1 1/2	1 1/4	1/2	1/4	1/4	1/8	1/8
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Tops: 1. All sizes 40%. 2. All sizes 90% (with exception 2" 70%).

Shanghai No. 5 assortment (black and white)

Composed of one hundred cases of the following sizes and respective percentage of tops:—

Size:	2"	2 1/4"	2 1/2"	2 3/4"	3"
-------	----	--------	--------	--------	----

Case:	40	25	20	10	5
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Tops: 1. All sizes 40%. 2. All sizes 90% (with exception 2" 70%).

1. Bristles of the specified length (within limits of over- and under-size) constitute 40% (with leeway) in each bundle. Bristles measured $\frac{1}{4}$ inch under the specified size (within limits of over- and under-size and with leeway) 30%, and those measured $\frac{1}{2}$ inch under the specified size constitute all the rest, about 30%.

Leeway of percentage of tops: Lower ranges must not be lower than: 2" 35%
2 1/4" 36% 2 1/2" to 6" 37%

Without over size

Limit fo under size: All sizes 4/16"

2. Leeway of percentage of tops: Lower range 2% maximum

Limit of over size: 2 1/4" to 5 3/4"....1/16"
6"....3/16"

Limit of under size: all sizes 4/16"



Chinese Bristles, a by-product of hog-raising in the vast Chinese countryside, are produced in great abundance. China began to export bristles as early as 1895, and has so far won a firm footing in the world wide markets.

Bristles exported from China are of top-grade quality. They possess a wide range of stiffness and length and their colours can be classified into four varieties, viz.: black, white, brown and grey. They

are very lustrous in colour and uniform in size, having high resiliency and a power to endure heat, dryness and dampness. They do not break or soften when rubbed violently against iron and steel. As the fibres bear flags at the tip and a natural scaly formation on the stalk, giving a certain degree of asperity, so they are fully capable of absorbing paints and oils and can penetrate into the narrowest chinks and apertures to remove dirt and grease. Therefore Chinese Bristles are the best materials for making various kinds of industrial, household, medical, cleaning and painting brushes.

According to the different usages, buyers may select various colours of assortments, odd lengths and riflings to their satisfaction.

**Tientsin, Tsingtao, North-eastern China and Inner-Mongolian
short 55 case assortment (black, grey and white)**

Composed of fifty-five cases of the following sizes and respective percentage of tops:—

Size:	2½"	2¾"	3"	3¼"	3½"	3¾"	4"	4¼"
Case:	12	7	8	7	5	4	3	2
Tops:	70	80	80	80	80	80	80	80

Size:	4½"	4¾"	5"	5¼"	5½"	5¾"	6"
Case:	2	1	1	1	1	0	1
Tops:	80	80	80	80	80	—	80*

**Tientsin, Tsingtao, North-eastern China and Inner-Mongolian
26 case assortment (black, grey and white)**

Composed of twenty-six cases of the following sizes and respective percentage of tops:—

Size:	2½"	2¾"	3"	3¼"	3½"	3¾"	4"
Case:	5	4	5	4	5	2	1
Tops	70	80	80	80	80	80	80

Leeway of percentage of tops: Lower range 3% maximum.

Limit of over size: 2½" to 5¼" 1/16".

5½" and 6" 3/16".

Limit of under size: All sizes 4/16"

*Tops: 65% for Tsingtao 6"

Chungking No. 27 assortment (black, grey, brown and white)

Composed of one hundred cases of the following sizes and respective percentage of tops:—

Size:	Riflings	2 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "	2 $\frac{3}{4}$ "	3"	3 $\frac{1}{4}$ "	3 $\frac{1}{2}$ "	3 $\frac{3}{4}$ "	4"
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Case:	25	15	12	11	10	8	6	4	3
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Tops: All sizes 90% with exception riflings

Size:	4 $\frac{1}{4}$ "	4 $\frac{1}{2}$ "	4 $\frac{3}{4}$ "	5"	5 $\frac{1}{4}$ "	5 $\frac{1}{2}$ "	5 $\frac{3}{4}$ "	6"
-------	-------------------	-------------------	-------------------	----	-------------------	-------------------	-------------------	----

Case:	2	1 $\frac{1}{2}$	1 $\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{8}$
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Tops: All sizes 90%.

Chungking No. 4 assortment (black, grey, brown and white)

Composed of one hundred cases of the following sizes and respective percentage of tops:—

Size:	Riflings	2 $\frac{1}{4}$ "	2 $\frac{1}{2}$ "	2 $\frac{3}{4}$ "
-------	----------	-------------------	-------------------	-------------------

Case:	40	25	20	15
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Tops:	—	90	90	90
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Leeway of percentage of tops: Lower range 2% maximum.

Limit of over size: 2 $\frac{1}{4}$ to 5 $\frac{3}{4}$ " 1/16"

6" 3/16"

Limit of under size: All sizes 4/16"

RIFLINGS (black and white)—Chungking, Hankow, Shanghai and Tsingtao

Bristles measuring under 2 inches is named as RIFLINGS, which has no percentage of tops.

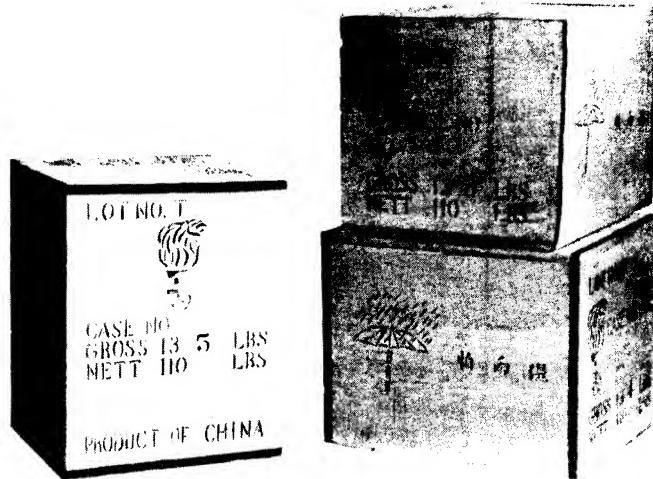
ODD LENGTH

2 inches—Tientsin (Tops: 40% and 70%), Tsingtao (Tops: 70%), Chungking (Tops: 90%).

2 $\frac{1}{4}$ inches—Tientsin (Tops: 40% and 70%), Tsingtao (Tops: 70%) Northeastern (40%)

P A C K I N G

Packed in wooden case, secured with iron wires or steel baling hoops, spray with naphthaline inside the case, net weight of each case of Tientsin, Tsingtao, Northeastern China and Inner-Mongolian products is 110 pounds and that of Chungking, Hankow and Shanghai products is 133-1/3 pounds.



LIST OF VARIETIES OF BRISTLES FOR EXPORT

Hankow No. 17 assortment (black and white)

Composed of one hundred cases of the following sizes and respective percentage of tops:—

Size:	2"	2 1/4"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"
Case:	10	10	10	10	10	10	9	8	6
Tops:	55	60	60	60	70	70	70	70	70
Size:	4 1/4"	4 1/2"	4 3/4"	5"	5 1/4"	5 1/2"	5 3/4"	6"	
Case:	5	4	3	2	1	1	1/2	1/2	
Tops:	70	70	70	70	70	70	70	70	

Hankow No. 5 assortment (black and white)

Composed of one hundred cases of the following sizes and respective percentage of tops:—

Size:	2"	2 1/4"	2 1/2"	2 3/4"	3"
Case:	40	20	20	10	10
Tops:	55	60	60	60	70

Leeway of percentage of tops: Lower ranges not lower than the following percentages:

2" 50%

2 1/4" 56%

2 1/2", 2 3/4" 57%

3" to 6" 67%

Limit of over size: 2" to 5 3/4" 1/16"

6" 3/16"

Limit of under size: All sizes 4/16"

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*Buyers who are interested in Chinese Bristles
are requested to contact with:*

CHINA NATIONAL ANIMAL BY-PRODUCTS EXPORT CORPORATION

Postal Address: 4, Wangchia Hutung, East City,
PEKING CHINA

Cable Address: BYPRODUCTS PEKING